

ABSTRACT

Please amend the abstract beginning at line 1 of page 46 as follows:

A signal transmission system ~~according to the present invention comprises:~~ that includes a signal transmission unit (101) that includes a MPEG decoder [(103)] (102), which receives digital broadcasting and outputs a luminance signal Y and two color difference signals P_g/P_R P_B/P_R , and a transmission path encoding circuit (103), which encodes the $Y P_B P_R$ outputted from the MPEG decoder (102) into signals in the forms suited to a transmission path and transmits the encoded signals; and a signal reception unit (104) that includes a transmission path decoding circuit (105), which receives the encoded $Y P_B P_R$ and decodes them, a Y processing circuit (106), which processes the decoded luminance signal Y, a chrominance processing circuit (107), which processes the respective decoded color difference signals P_g/P_R P_B/P_R , a signal conversion circuit [(108)], which converts the $Y P_B P_R$ outputted from the Y processing circuit (106) and the chrominance processing circuit (107) into RGB signals, and a display device (108) which displays the RGB signals.

~~According to the so-configured signal transmission system, it is possible to realize a signal transmission system in which hardware configurations of the video signal transmitting end and receiving end can be simplified.~~